UNIVERSITY OF QUEENSLAND

Prentice Computer Centre

NEWSLETTER

authorization: Director of the Centre

1   CHANGES TO 'TAPE' COMMAND

A bug in the TAPE command which caused filenames to be read incorrectly
under certain circumstances has been fixed.

In addition, two new switches have been implemented. These are -

(i)   /LFCR   Switch which causes line feed and carriage return
               characters to be interchanged on input. This is
               intended for Texas Instruments terminal users who
               are advised to use the <line feed><carriage return>
               sequence to terminate locally made cassette lines by
               their users manual.

(ii) /FILL   Switch which allows filler characters corresponding
               to the currently set filler class to be stored on the
               tape. The normal action (when this switch is not
               given) is to inhibit the sending of filler characters.

2   NEW LIBRARY MANIPULATION PROGRAM - MAKLIB V1-6

MAKLIB has been put on NEW as from 19 January 1976 and it is
anticipated that it will be transferred to STD in February.

It is a program to manipulate libraries of REL files and is a
replacement for FUDGE2. Unlike FUDGE2, it uses SCAN and WILD
to arrive at some consistency of command handling with the later
DEC Cusps.

For details of usage, a help file is also on NEW.

3   NEW CHARGES

As announced in the last newsletter (N-194 of 24 November 1975),
it has become necessary to revise our scales of charges with
increases in some base rates.   Full details of the new charge
schedule, effective 1 January 1976, are attached.

4   NEW GRAPHICS PACKAGE - OMNIGRAPH

The Centre recently obtained the OMNIGRAPH graphics package. Omnigraph is capable of handling a variety of graphics terminals including ARDS, Tektronix-4010 and GT40.   Facilities available include windowing, two and three dimensional transformations and picture manipulation.

Further details are available from the Centre.

5   NEW VERSION OF COBOL

On Wednesday, 28 January 1976, the following changes are to be made to the Cobol System:

(a) The version of Cobol on STD: is to be transferred to OLD:.

(b) The version of Cobol on NEW: is to be transferred to STD:. This version has been in use on NEW for some considerable time and has been used successfully in a wide range of work.

(c) The present sort packages (on OLD: and STD:) are to be renamed CSORT.   This step has been taken to differentiate them from the new sort package which is to be installed and the different name has been given by Digital to emphasize the fact that the new package conforms to the accepted command standards and hence is incompatible in command format with CSORT.

(d) An alternate version of the latest Cobol system is to be installed on NEW:.   This version is based on that which is to be installed on STD: except that it interfaces to the new Sort system.

(e) A new Sort package is to be installed on NEW:.

* * * *

PRENTICE COMPUTER CENTRE

SCHEDULE OF CHARGES - 1976

1. **PDP-10 CHARGE RATES**

   (a) Base Rates

	charge per	internal rates $
Processor time and memory space-		
processor time	minute	1.10
memory space	Kwords/min	.132
Input/output-		
card reading	100 cards	.05
card punching	100 cards	.30
paper tape reading	metre	.10
paper tape punching	metre	.20
file I/O	block	.0005
plotting (11" plotter)	minute	.04
(36" plotter - time)	minute	.08
(36" plotter - paper)	metre	1.00
line printing	page	.018
use of job slot	hour connect	.80
public terminal	hour connect	.80
File Storage-		
storage (online)	blocks/day	.0002
(archival)	1000 blocks/day	.05
Device Setup-		
setup of printer for non-standard stationery		1.00
setup of digital plotter		.60
mounting removable disk pack		1.00
mounting magnetic & Dectapes		.40
Device Usage-		
assign time for disk drive	hour assign	4.00
assign time for mag tapes	hour assign	3.00
assign time for Dectapes		.40
access to Dectape through FILE		.40
Other-		
Retrieval of file by Centre	per file	5.00
Storage of privately owned Mag Tape	per month	.50

(b) <u>User Type Charging Factors</u>

The charging factors applied to the "Base Rates" will be -

(i)   Internal - University of Queensland and Griffith University -
          one (1) times the base rate

(ii)   Other educational institutions - 1.2 times the base rate

(iii)   External Users - 2.1 times the base rate.

(c) <u>Low Priority Rates</u>

Normal rate is the base charge multiplied by the appropriate user
type charging factor -

(i)   <u>Terminals</u>

Normal rate from start of shift to 6 p.m.

70% of normal rate for jobs logged-in from 6 p.m. to 7.30 p.m.

50% of normal rate for jobs logged-in from 7.30 p.m. to midnight

50% of normal rate for jobs logged-in during a weekend during
          periods when this service is available.

(ii)   <u>Batch</u>

The following priority factors will be applied to normal rate
for batch work in accordance with the priority code nominated
by the user:

<u>Priority Code Pricing Factors</u>

Priority Code	Pricing Factor	Nominal Service Level
1 & 2	.25	Weekly turnaround
3 & 4	.5	Overnight turnaround
5 - 9	.7	Better than overnight turnaround but processing does not commence until after 1800 hours.
10	1.0	One to two hours turnaround depending on load and size of job. Normal rate if the user omits priority switch
11 - 20	1.5	)
21 - 40	2.0	)
41 - 60	3.0	) Super priorities
61 - 62	4.0	)

Notes: 1. For terminal users, priorities are applied to spooling operations only.

2. The lowest priority rate does not apply to printing and plotting functions. For these functions, the system will change the pricing factor for priority codes 1 and 2 to the pricing factor for priority 3 and 4.

3. Card reading and punching, device setup and assignment, special stationery and other consumable items are charged at normal rate at all times. An exception is the connect time fee for private disk packs which is 0.5 times normal rate after 6 p.m.

(d)   Device Rental

	$
private disk pack-	
hire per month	20.00
capital contribution for 3 year availability	400.00
magnetic tape-	
hire of 2400 ft. tape/month	2.00
hire of 1200 ft. tape/month	1.00
storage charge per month	0.50
Dectape-	
hire per month	1.00
purchase and certification/tape	18.00
storage charge per month	0.50

2. DATA PREPARATION

Facility	charge per	Base Rate $
Keypunching	hour	5.40
Interpreting	hour	5.40
Verifying	hour	4.30

User type charging factors as defined in 1 (b) are applied to base rates.

3. CONTRACT PROGRAMMING AND CONSULTING

Internal (University of Queensland and Griffith University):

(i) Programming and Systems work for projects involving 25 hours or less of continuous work, or for projects not of a continuous nature .... $12.00 per hour

(ii) Programming and Systems work for projects of a continuous nature greater than 25 hours .... the actual salary costs of the staff involved (based on a 230 day year) plus a 15% management fee.

External (including other Educational Institutions):

(i) Programming and Systems work .... $20-25 per hour

(ii) Advanced Programming and Systems work .... $25-30 per hour.

4. MISCELLANEOUS

	charge per	cost $
coding pads	pad	0.70
flowchart templates	each	1.00
H.S.P. binders	each	1.50
order books	pad	1.95
printer layout pad	pad	0.50
printer paper 11" x 15"	1000 pages	9.00
2 part	page	0.022
4 part	page	0.051
special stationery	supplied at cost price	
Parastick labels	per label	0.008
Terminet ribbons	each	3.30
Terminet paper	2000 sheets	21.75
teletype paper	roll	2.09
	fanfold	15.40
teletype ribbons	each	3.50

The prices of miscellaneous items may vary from time to time depending on the cost of supply of such items to the Prentice Computer Centre.

5. MINIMUM CHARGE

A minimum charge of $10 per user charge code per month applies to users other than the University of Queensland and Griffith University.